

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0817	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0817 Carlin	A	8.99						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.01			
Encroachments					0.43	0.04		
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.21	0.04		
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.00	0.00	0.00	0.00%	0.65	0.08	0.00	0.00
Unit No. 01 South Dry Creek LB	Overall Unit Rating	Total Unit Miles						
RD0817	A	3.81						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.15	0.02		
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.15	0.02	0.00	0.00
Unit No. 02 Bear River RB	Overall Unit Rating	Total Unit Miles						
RD0817	A	3.86						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.01			
Encroachments					0.01	0.04		
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.04	0.02		
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.06	0.06	0.00	0.00
Unit No. 03 South Dry Creek RB	Overall Unit Rating	Total Unit Miles						
RD0817	A	1.32						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.42			
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.02			
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.44	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2019 Levee Inspection Results

Reclamation District No. 0817 Carlin

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 0817 Carlin

Waterway			Bank	Unit Miles
Unit No. 01 South Dry Creek			Left	3.81
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/3/2019 - 4/3/2019		10/28/2019 - 10/28/2019	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Joe Conant RD 817		Joe Conant RD 817	
	Tom Engler RD 2103		Tom Engler RD 2103	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0817_01_f_2014_5				
Comment Code					
Inspector Comment					
LMA regularly attends flood fight training put on by RD784 and DWR .					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0817_01_s_2013_9				
Comment Code					
Inspector Comment					
The manuals are located at Tom Englers office and at Joe Conant's office.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0817_01_s_2013_10				
Comment Code					
Inspector Comment					
LMA stated that they have approx. 2500 sandbags and related flood fight material located in a mini storage in downtown Wheatland.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	0.01	Rating **	A	Issue No.	25
LM End	1.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984838 °	38.995515 °
				-121.506067 °	-121.491157 °
DWR ID	DWR_RD0817_01_f_2019_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_RD0817_12_25_20191030_00016.jpg



View looking downstream landside at the well maintained annual vegetation, Fall 2019.

LM Start	0.01	Rating **	A	Issue No.	26
LM End	1.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984859 °	38.995515 °
				-121.506056 °	-121.491157 °
DWR ID	DWR_RD0817_01_f_2019_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_RD0817_12_26_20191030_00017.jpg



View looking downstream waterside at the well maintained annual vegetation, Fall 2019.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	0.29	Rating **	M	Issue No.	27
LM End	0.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.987813 °	38.987813 °
				-121.502963 °	-121.502963 °
DWR ID	18985				

Comment Code

Inspector Comment

DS_ID:18985
FS_ID:54440
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 08/14/2019 DMP Internal Inspection Report shows minor defects in the pipe through the levee. This pipe is considered Non-Urgent: Low Priority. District Engineer, Tom Engler, recommends lining or removing/replacing pipe. The pipe is a critical pipe for the District since it handles a large portion of the drainage into Dry Creek. The pipe is responsible for draining most of the Wheatland basin into Dry Creek. Mr. Tom Engler recommends replacing the pipe to current standards including adding positive closure device on both sides of the levee so that the District has a backup if/when the flap gate located on the WS eventually fails. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP) 04/16/2013 Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 23.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 0.28)]. FS Date: 4/16/2013

LM Start	0.29	Rating **	M	Issue No.	27 (cont)
LM End	0.29	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_54440_19865.jpg



WS- pipe, flap gate in dense vegetation on berm

Photo 2 of 3 : UCIP_FA_2019_54440_19864.jpg



WS- CM pipe and flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	0.29	Rating **	M	Issue No.	27 (cont)	
LM End	0.29	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.987813 °	38.987813 °	
				-121.502963 °	-121.502963 °	
DWR ID	18985					
Comment Code						
Inspector Comment						
DS_ID:18985 FS_ID:54440 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/14/2019 DMP Internal Inspection Report shows minor defects in the pipe through the levee. This pipe is considered Non-Urgent: Low Priority. District Engineer, Tom Engler, recommends lining or removing/replacing pipe. The pipe is a critical pipe for the District since it handles a large portion of the drainage into Dry Creek. The pipe is responsible for draining most of the Wheatland basin into Dry Creek. Mr. Tom Engler recommends replacing the pipe to current standards including adding positive closure device on both sides of the levee so that the District has a backup if/when the flap gate located on the WS eventually fails. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP) 04/16/2013 Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 23.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 0.28)]. FS Date: 4/16/2013						

Photo 3 of 3 : UCIP_FA_2019_54440_19863.jpg



WS- dense vegetation on WS of the levee

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	0.55	Rating **	U	Issue No.	28	
LM End	0.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.989890 °	38.989890 °	
				-121.498850 °	-121.498850 °	
DWR ID	18999					
Comment Code						
Inspector Comment						
DS_ID:18999						
FS_ID:41299						
EP_NO: N/A						
Repair Type: Urgent						
Crossing Status: Not Found						
UCIP Comments: No markers visible. Need to contact owner to determine status of crossing. If crossing is still active owner will need to comply with Title 23.						
FIELD_STRUCT_DESC: 8-5/8 pipe through levee, 3 feet below the crown. O&M Manual Sac 146, November 1962.						
FS Date: 4/16/2013						

No Photos

LM Start	0.56	Rating **	M	Issue No.	29
LM End	0.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.989990 °	38.989990 °
				-121.498710 °	-121.498710 °
DWR ID	19000				
Comment Code					
Inspector Comment					
DS_ID:19000 FS_ID:41411 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: No markers were found. Dense vegetation limits inspector's visibility along waterward and landwar slopes. FIELD_STRUCT_DESC: 16-inch gas line through levee, 2.9 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	0.63	Rating **	U	Issue No.	30	
LM End	0.63	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.990650 °	38.990650 °	
				-121.497720 °	-121.497720 °	
DWR ID	19001					
Comment Code						
Inspector Comment						
DS_ID:19001 FS_ID:41412 EP_NO: N/A Repair Type: Urgent Crossing Status: Not Found UCIP Comments: No markers visible. Dense vegetation present on both sides of the levee slopes. Need to contact owner to determine status of crossing. If crossing is still active owner will need to comply with Title 23 and contact Central Valley Flood Protection Board (CVFPB). FIELD_STRUCT_DESC: 16-inch gas line through levee, 3 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013						

No Photos

LM Start	0.83	Rating **	M	Issue No.	31
LM End	0.83	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.992540 °	38.992540 °
				-121.494920 °	-121.494920 °
DWR ID	19002				
Comment Code					
Inspector Comment					
DS_ID:19002					
FS_ID:41321					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 36-inch pipe through levee. Flap gate on waterside. O&M Manual Sac 146, November 1962.					
FS Date: 4/16/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	1.04	Rating **	M	Issue No.	32
LM End	1.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.994640 °	38.994640 °
				-121.492120 °	-121.492120 °
DWR ID	18986				
Comment Code					
Inspector Comment					
DS_ID:18986 FS_ID:41322 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/07/2018 Pipe removed in 1989. No records were found to confirm DWR inspector's notes on pipe removal from 1989. (O. Magana - DWR UCIP) 04/16/2013 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *REMOVED* 18-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Slide gate on the waterside (WS) end. (18-inch pipe and appurtenances removed in 1989). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 1.04)]. FS Date: 4/16/2013					

No Photos

LM Start	1.13	Rating **	M	Issue No.	33
LM End	1.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.995667 °	38.995667 °
				-121.490981 °	-121.490981 °
DWR ID	25088				
Comment Code					
Inspector Comment					
DS_ID:25088 FS_ID:44084 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/19/2015 No permit identified for this crossing. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *DUPLICATE--DELETE ENTRY* 4-inch steel telephone conduit through the levee, 4 feet below the crown. FS Date: 3/19/2015					

Photo 1 of 2 : UCIP_FA_2019_44084_73565.jpg



Communication conduit visible on upstream side of bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

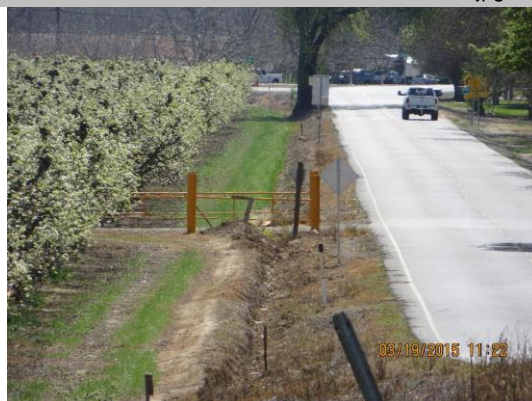
Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	1.13	Rating **	M	Issue No.	33 (cont)
LM End	1.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.995667 °	38.995667 °
				-121.490981 °	-121.490981 °
DWR ID	25088				
Comment Code					
Inspector Comment					
DS_ID:25088 FS_ID:44084 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 03/19/2015 No permit identified for this crossing. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *DUPLICATE--DELETE ENTRY* 4-inch steel telephone conduit through the levee, 4 feet below the crown. FS Date: 3/19/2015					

Photo 2 of 2 : UCIP_FA_2019_44084_73564.jpg



Fiberoptic line markers along roadway to south of bridge.

LM Start	1.14	Rating **	M	Issue No.	34
LM End	1.14	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.995739 °	38.995739 °
				-121.490894 °	-121.490894 °
DWR ID	18997				
Comment Code					
Inspector Comment					
DS_ID:18997 FS_ID:44085 EP_NO: 1454 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 08/14/2019 DMP Geophysical Evaluation results did not confirm the presence of 24-inch pipe. Due to the limitations of the DMP Geophysical Evaluation this pipe will remain as not found. Record can be closed and updated to removed when it is confirmed that pipe is not present during Future Levee Improvement Projects. (O. Magana - DWR UCIP) 03/26/2015 Pipe Abandoned and should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal gravity drainage pipe through the levee, 17 feet below the crown. Slide gate on the waterside (WS) slope. 6-foot by 6-foot by 8-inch concrete cutoff wall below each shoulder. (24-inch corrugated metal gravity drainage pipe authorized under Permit No. 1454, 1949 - Charles Sing). Pipe abandoned in place and covered with soil according to Reclamation District No. 817. FS Date: 3/26/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	1.34	Rating **	M	Issue No.	35	
LM End	1.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.997961 °	38.997961 °	
				-121.488455 °	-121.488455 °	
DWR ID	18987					
Comment Code						
Inspector Comment						
DS_ID:18987 FS_ID:54435 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/14/2019 No DMP Internal Inspection Report was completed for this pipe. Pipe was either completely buried or access to inlet/outlet was not feasible. Pipe has been abandoned and no longer needed per LMA District Engineer, Tom Engler. District Engineer recommends removal of this pipe. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP) 04/16/2013 Damaged slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal gravity drainage pipe through the levee, 14.9 feet below the crown. Slide gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 1.34)]. FS Date: 4/16/2013						

LM Start	1.34	Rating **	M	Issue No.	35 (cont)
LM End	1.34	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_54435_19882.jpg



WS- overview of WS area

Photo 2 of 3 : UCIP_FA_2019_54435_19881.jpg



WS- closer look at damaged slide gate on WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	1.34	Rating **	M	Issue No.	35 (cont)	
LM End	1.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.997961 °	38.997961 °	
				-121.488455 °	-121.488455 °	
DWR ID	18987					
Comment Code						
Inspector Comment						
DS_ID:18987 FS_ID:54435 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/14/2019 No DMP Internal Inspection Report was completed for this pipe. Pipe was either completely buried or access to inlet/outlet was not feasible. Pipe has been abandoned and no longer needed per LMA District Engineer, Tom Engler. District Engineer recommends removal of this pipe. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP) 04/16/2013 Damaged slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal gravity drainage pipe through the levee, 14.9 feet below the crown. Slide gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 1.34)]. FS Date: 4/16/2013						

Photo 3 of 3 : UCIP_FA_2019_54435_19884.jpg



LS- CMP on toe of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	1.62	Rating **	M	Issue No.	36
LM End	1.62	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.001340 °	39.001340 °
				-121.485740 °	-121.485740 °
DWR ID	18988				
Comment Code					
Inspector Comment					
DS_ID:18988 FS_ID:54436 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/14/2019 No DMP Internal Inspection Report was completed for this pipe. Pipe was either completely buried or access to inlet/outlet was not feasible. Pipe has been abandoned and no longer needed per LMA District Engineer, Tom Engler. District Engineer recommends removal of this pipe. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP)04/16/2013 A burried slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal gravity drainage pipe through the levee, 13.8 feet below the crown. Slide gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 1.62)]. FS Date: 4/16/2013					

LM Start	1.62	Rating **	M	Issue No.	36 (cont)
LM End	1.62	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_54436_19892.jpg



WS- overview of WS berm

Photo 2 of 3 : UCIP_FA_2019_54436_19891.jpg



WS- slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	1.62	Rating **	M	Issue No.	36 (cont)	
LM End	1.62	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.001340 °	39.001340 °	
				-121.485740 °	-121.485740 °	
DWR ID	18988					
Comment Code						
Inspector Comment						
DS_ID:18988 FS_ID:54436 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/14/2019 No DMP Internal Inspection Report was completed for this pipe. Pipe was either completely buried or access to inlet/outlet was not feasible. Pipe has been abandoned and no longer needed per LMA District Engineer, Tom Engler. District Engineer recommends removal of this pipe. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP)04/16/2013 A burried slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal gravity drainage pipe through the levee, 13.8 feet below the crown. Slide gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 1.62)]. FS Date: 4/16/2013						

Photo 3 of 3 : UCIP_FA_2019_54436_19890.jpg



WS- buried slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	1.86	Rating **	M	Issue No.	37	
LM End	1.86	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.004520 °	39.004520 °	
				-121.483960 °	-121.483960 °	
DWR ID	19003					
Comment Code						
Inspector Comment						
DS_ID:19003						
FS_ID:41323						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.						
FIELD_STRUCT_DESC: 12-inch pipe through levee. Vertical Pump on WS. 3.1 feet below the crown. O&M Manual Sac 146, November 1962.						
FS Date: 4/16/2013						

No Photos

LM Start	2.06	Rating **	M	Issue No.	38
LM End	2.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.006760 °	39.006760 °
				-121.481670 °	-121.481670 °
DWR ID	19004				
Comment Code					
Inspector Comment					
DS_ID:19004 FS_ID:41312 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 18-inch pipe through the levee, 11.5 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

Reclamation District No. 0817 Carlin

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	2.30	Rating **	M	Issue No.	40
LM End	2.30	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.008425 °	39.008425 °
				-121.477775 °	-121.477775 °
DWR ID	18993				
Comment Code					
Inspector Comment					
DS_ID:18993 FS_ID:41318 EP_NO: 16193 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Remove (1 of 3 locations) abandoned 18-inch diameter pipeline from the left bank levee of Dry Creek. (App. No. 16193) FS Date: 4/16/2013					

No Photos

LM Start	2.39	Rating **	M	Issue No.	41
LM End	2.39	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.008980 °	39.008980 °
				-121.476260 °	-121.476260 °
DWR ID	19005				
Comment Code					
Inspector Comment					
DS_ID:19005					
FS_ID:41324					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 10-inch pipe through levee. Vertical Pump on WS. 2.8 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 4/16/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	2.64	Rating **	M	Issue No.	42
LM End	2.64	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.010523 °	39.010523 °
				-121.472070 °	-121.472070 °
DWR ID	18994				
Comment Code					
Inspector Comment					
DS_ID:18994 FS_ID:41319 EP_NO: 16193 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Remove (1 of 3 locations) abandoned 18-inch diameter pipeline from the left bank levee of Dry Creek. (App. No. 16193) FS Date: 4/16/2013					

No Photos

LM Start	2.65	Rating **	M	Issue No.	43	
LM End	2.65	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.010584 °		39.010584 °
				-121.471902 °		-121.471902 °
DWR ID	18990					
Comment Code						
Inspector Comment						
DS_ID:18990 FS_ID:47111 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 04/16/2013 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (P. Amaty - DWR UCIP) FIELD_STRUCT_DESC: *REMOVED* 18-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Slide gate on the waterside (WS) end. (Removal of 18-inch pipe and appurtenances authorized under Permit No. 16193, 1994 - Reclamation District No. 817). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 2.65)]. FS Date: 3/26/2015						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	2.68	Rating **	M	Issue No.	44	
LM End	2.68	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.010770 °	39.010770 °	
				-121.471400 °	-121.471400 °	
DWR ID	19006					
Comment Code						
Inspector Comment						
DS_ID:19006 FS_ID:41325 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 8-inch pipe through the levee. Pump on LS. 3.1 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 4/16/2013						

No Photos

LM Start	2.96	Rating **	M	Issue No.	45
LM End	2.96	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.012500 °	39.012500 °
				-121.466700 °	-121.466700 °
DWR ID	18995				
Comment Code					
Inspector Comment					
DS_ID:18995 FS_ID:41320 EP_NO: 16193 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Remove (1 of 3 locations) abandoned 18-inch diameter pipeline from the left bank levee of Dry Creek. (App. No. 16193) FS Date: 4/16/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	2.96	Rating **	M	Issue No.	46	
LM End	2.96	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.012552 °	39.012552 °	
				-121.466538 °	-121.466538 °	
DWR ID	18992					
Comment Code						
Inspector Comment						
DS_ID:18992 FS_ID:54438 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/14/2019 No DMP Internal Inspection Report was completed for this pipe. Pipe was either completely buried or access to inlet/outlet was not feasible. Pipe has been abandoned and no longer needed per LMA District Engineer, Tom Engler. District Engineer recommends removal of this pipe. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP) 03/26/2015 Flapgate in closed position, but blocked from operation on WS toe. Pipe appears abandoned and should be verified as having been done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal gravity drainage pipe through the levee, 13.7 feet below the crown. Slide gate on the waterside (WS) end. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 2.97)]. FS Date: 3/26/2015						

LM Start	2.96	Rating **	M	Issue No.	46 (cont)
LM End	2.96	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_54438_73422.jpg



Pipe and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2019_54438_73421.jpg



Pipe and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	2.96	Rating **	M	Issue No.	46 (cont)	
LM End	2.96	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.012552 °	39.012552 °	
				-121.466538 °	-121.466538 °	
DWR ID	18992					
Comment Code						
Inspector Comment						
DS_ID:18992 FS_ID:54438 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/14/2019 No DMP Internal Inspection Report was completed for this pipe. Pipe was either completely buried or access to inlet/outlet was not feasible. Pipe has been abandoned and no longer needed per LMA District Engineer, Tom Engler. District Engineer recommends removal of this pipe. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP) 03/26/2015 Flapgate in closed position, but blocked from operation on WS toe. Pipe appears abandoned and should be verified as having been done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal gravity drainage pipe through the levee, 13.7 feet below the crown. Slide gate on the waterside (WS) end. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 2.97)]. FS Date: 3/26/2015						

Photo 3 of 3 : UCIP_FA_2019_54438_73420.jpg



LS of pipe buried but alignment would place LS outlet just left of telephone pole on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	10/28/2019 10/28/2019	Sterling York

LM Start	3.69	Rating **	M	Issue No.	47	
LM End	3.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.018890 °	39.018890 °	
				-121.455920 °	-121.455920 °	
DWR ID	19007					
Comment Code						
Inspector Comment						
DS_ID:19007						
FS_ID:41316						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.						
FIELD_STRUCT_DESC: 18-inch pipe through levee. Flap gate on WS. 12 feet below the crown. O&M Manual Sac 146, November 1962.						
FS Date: 4/16/2013						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 0817 Carlin

Waterway			Bank	Unit Miles
Unit No. 02 Bear River			Right	3.86
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/3/2019 - 4/3/2019		10/28/2019 - 10/28/2019	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Joe Conant RD 817		Joe Conant RD 817	
	Tom Engler RD 2103		Tom Engler RD 2103	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	0.00	Rating **	A	Issue No.	9
LM End	3.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984722 °	38.993891 °
				-121.506111 °	-121.448154 °
DWR ID	DWR_RD0817_02_f_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_RD0817_13_9_20191030_00024.jpg



View looking upstream landside at the well maintained annual vegetation, Fall 2019.

LM Start	0.00	Rating **	A	Issue No.	10
LM End	3.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984722 °	38.993891 °
				-121.506112 °	-121.448154 °
DWR ID	DWR_RD0817_02_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_RD0817_13_10_20191030_00025.jpg



View looking upstream waterside at the well maintained annual vegetation, Fall 2019.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	0.99	Rating **	M	Issue No.	18	
LM End	0.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			38.985571 °		38.985571 °
				-121.488209 °		-121.488209 °
DWR ID	19008					
Comment Code						
Inspector Comment						
DS_ID:19008 FS_ID:54439 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 08/14/2019 No DMP Internal Inspection Report was completed for this pipe. Pipe was either completely buried or access to inlet/outlet was not feasible. Pipe has been abandoned and no longer needed per LMA District Engineer, Tom Engler. District Engineer recommends removal of this pipe. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP) 04/01/2015 Pipe appears abandoned and if so should be done so properly. Concrete standpipe filled with soil. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 10-inch gravity drainage pipe of an unknown material through the levee, 13.5 feet below the crown. No control valves. Hole in pipe at the landside (LS) toe. 36-inch concrete riser at the LS toe. Concrete standpipe at the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 1.01), 12-inch pipe referenced]. FS Date: 4/1/2015						

LM Start	0.99	Rating **	M	Issue No.	18 (cont)
LM End	0.99	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54439_73542.jpg



Concrete standpipe visible on lower slope of LS toe.

Photo 2 of 3 : UCIP_FA_2019_54439_73541.jpg



Concrete standpipe visible on lower slope of LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	0.99	Rating **	M	Issue No.	18 (cont)
LM End	0.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.985571 °	38.985571 °
				-121.488209 °	-121.488209 °
DWR ID	19008				
Comment Code					
Inspector Comment					
DS_ID:19008 FS_ID:54439 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 08/14/2019 No DMP Internal Inspection Report was completed for this pipe. Pipe was either completely buried or access to inlet/outlet was not feasible. Pipe has been abandoned and no longer needed per LMA District Engineer, Tom Engler. District Engineer recommends removal of this pipe. Supporting documentation submitted by the District Engineer has been forwarded to DMP. (O. Magana - DWR UCIP) 04/01/2015 Pipe appears abandoned and if so should be done so properly. Concrete standpipe filled with soil. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 10-inch gravity drainage pipe of an unknown material through the levee, 13.5 feet below the crown. No control valves. Hole in pipe at the landside (LS) toe. 36-inch concrete riser at the LS toe. Concrete standpipe at the LS toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 1.01), 12-inch pipe referenced]. FS Date: 4/1/2015					

Photo 3 of 3 : UCIP_FA_2019_54439_73540.jpg



Concrete standpipe visible on lower slope of LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	1.29	Rating **	U	Issue No.	19	
LM End	1.29	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.986150 °	38.986150 °	
				-121.482770 °	-121.482770 °	
DWR ID	19013					
Comment Code						
Inspector Comment						
DS_ID:19013 FS_ID:41302 EP_NO: N/A Repair Type: Urgent Crossing Status: Not Found UCIP Comments: No markers visible. Need to contact owner to determine status of crossing. If crossing is still active owner will need to comply with Title 23 and contact Central Valley Flood Protection Board (CVFPB). FIELD_STRUCT_DESC: 16-inch gas line through levee, 3 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 4/17/2013						

No Photos

LM Start	1.54	Rating **	C	Issue No.	11
LM End	1.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.986877°	38.986877°
				-121.478175°	-121.478175°
DWR ID	DWR_RD0817_02_s_2017_11				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	1.76	Rating **	M	Issue No.	2
LM End	1.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.987851 °	38.987851 °
				-121.474383 °	-121.474383 °
DWR ID	DWR_RD0817_02_f_2013_2				
Comment Code					
V6 : Landscaping					
Inspector Comment					
The homeowners landscape vegetation is creeping up the landside levee slope.					

Photo 1 of 1 : FA_2019_RD0817_13_2_20190904_00001.jpg



View of the homeowners landscape vegetation on the landside levee slope, looking upstream.

LM Start	1.77	Rating **	U	Issue No.	20
LM End	1.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.987920 °	38.987920 °
				-121.474080 °	-121.474080 °
DWR ID	19015				
Comment Code					
Inspector Comment					
DS_ID:19015 FS_ID:41304 EP_NO: N/A Repair Type: Urgent Crossing Status: Not Found UCIP Comments: No markers visible. Need to contact owner to determine status of crossing. If crossing is still active owner will need to comply with Title 23 and contact Central Valley Flood Protection Board (CVFPB). FIELD_STRUCT_DESC: 8-5/8-inch gas line through the levee, 3 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 4/17/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	2.05	Rating **	M	Issue No.	21	
LM End	2.05	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.989212°	38.989212°	
				-121.469137°	-121.469137°	
DWR ID	25095					
Comment Code						
Inspector Comment						
DS_ID:25095						
FS_ID:46182						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/01/2015 Need to determine permit for crossing.						
(W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 2-inch galvanized iron (GI) water line through						
the levee, at an unknown depth. Hose bib at the waterside (WS) toe.						
Possible connection at the building corner on the landside (LS).						
FS Date: 4/1/2015						

Photo 1 of 3 : UCIP_FA_2019_46182_74559.jpg



Pipe and hose bib visible in tall grass at WS toe.

LM Start	2.05	Rating **	M	Issue No.	21 (cont)
LM End	2.05	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_46182_74560.jpg



Possible source on LS at building corner.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	2.05	Rating **	M	Issue No.	21 (cont)	
LM End	2.05	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.989212 °	38.989212 °	
				-121.469137 °	-121.469137 °	
DWR ID	25095					
Comment Code						
Inspector Comment						
DS_ID:25095						
FS_ID:46182						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/01/2015 Need to determine permit for crossing.						
(W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 2-inch galvanized iron (GI) water line through						
the levee, at an unknown depth. Hose bib at the waterside (WS) toe.						
Possible connection at the building corner on the landside (LS).						
FS Date: 4/1/2015						

Photo 3 of 3 : UCIP_FA_2019_46182_74561.jpg



Pipe and hose bib visible in tall grass at WS toe.

LM Start	2.08	Rating **	A/W	Issue No.	13	
LM End	3.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.989338	°	38.994124
				-121.468640	°	-121.449448
DWR ID	DWR_RD0817_02_s_2012_10					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:162						
Site Designation:DWR_RD0817_02_s_2012_10						
Repair Type: Stability						
Rating:Area of Concern						
Field Date:6/5/2017						
Notes: Stability issues are due to levee geometry. Narrow steep slopes.						

Photo 1 of 3 : LEVAL_FA_2019_162_287.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	2.08	Rating **	A/W	Issue No.	13 (cont)	
LM End	3.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.989338	°	38.994124
				-121.468640	°	-121.449448
DWR ID	DWR_RD0817_02_s_2012_10					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:162						
Site Designation:DWR_RD0817_02_s_2012_10						
Repair Type: Stability						
Rating:Area of Concern						
Field Date:6/5/2017						
Notes: Stability issues are due to levee geometry. Narrow steep slopes.						

Photo 2 of 3 : LEVAL_FA_2019_162_288.jpg



Photo 3 of 3 : LEVAL_FA_2019_162_289.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	2.11	Rating **	M	Issue No.	22	
LM End	2.11	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			38.989495°	38.989495°	
				-121.468100°	-121.468100°	
DWR ID	19010					
Comment Code						
Inspector Comment						
DS_ID:19010 FS_ID:44105 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2015 Pipe appears abandoned and should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 2-inch pipe of an unknown material or purpose through the levee, 1.5 feet below the crown. Concrete bulkhead on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 2.15), 1.25-inch pipe referenced]. FS Date: 4/1/2015						

LM Start	2.11	Rating **	M	Issue No.	22 (cont)
LM End	2.11	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_44105_73586.jpg



Pipe visible on LS shoulder.

Photo 2 of 3 : UCIP_FA_2019_44105_73585.jpg



WS slope. pipe not visible.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	2.11	Rating **	M	Issue No.	22 (cont)
LM End	2.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.989495 °	38.989495 °
				-121.468100 °	-121.468100 °
DWR ID	19010				
Comment Code					
Inspector Comment					
DS_ID:19010 FS_ID:44105 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/01/2015 Pipe appears abandoned and should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 2-inch pipe of an unknown material or purpose through the levee, 1.5 feet below the crown. Concrete bulkhead on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 2.15), 1.25-inch pipe referenced]. FS Date: 4/1/2015					

Photo 3 of 3 : UCIP_FA_2019_44105_73584.jpg



Pipe and concrete headwall visible on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	2.38	Rating **	M	Issue No.	23
LM End	2.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.990705 °	38.990705 °
				-121.463377 °	-121.463377 °
DWR ID	19011				

Comment Code

Inspector Comment

DS_ID:19011
FS_ID:41160
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 04/17/2013 Erosion present behind headwall. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. (P. Amatya - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch irrigation pipe of an unknown material through the levee, 12 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Abandoned pump and concrete riser on the bank. A tall CMP riser with an 8-inch siphon breaker pipe at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 2.41)].
FS Date: 4/17/2013

LM Start	2.38	Rating **	M	Issue No.	23 (cont)
LM End	2.38	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_41160_19922.jpg



WS- CMP riser on levee slope.

Photo 2 of 3 : UCIP_FA_2019_41160_19921.jpg



WS- inside CMP riser with air vent and slide gate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	2.38	Rating **	M	Issue No.	23 (cont)
LM End	2.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.990705 °	38.990705 °
				-121.463377 °	-121.463377 °
DWR ID	19011				
Comment Code					
Inspector Comment					
DS_ID:19011 FS_ID:41160 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/17/2013 Erosion present behind headwall. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. (P. Amatya - DWR UCIP) FIELD_STRUCT_DESC: 24-inch irrigation pipe of an unknown material through the levee, 12 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Abandoned pump and concrete riser on the bank. A tall CMP riser with an 8-inch siphon breaker pipe at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 146, November 1962, (HLM 2.41)]. FS Date: 4/17/2013					

Photo 3 of 3 : UCIP_FA_2019_41160_19920.jpg



WS- CMP riser with air vent and slide gate.

LM Start	2.72	Rating **	A/W	Issue No.	14
LM End	2.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.992170 °	38.992217 °
				-121.457332 °	-121.456967 °
DWR ID	240-3				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:161					
Site Designation:240-3					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:6/5/2017					
Notes: No issue found. Narrow levee with steep slopes. Did not investigate bench due to rattlesnake concerns. Possible alternate location at 38.993282; -121.451562.					

Photo 1 of 3 : LEVAL_FA_2019_161_1065.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

Reclamation District No. 0817 Carlin

LM Start	2.72	Rating **	A/W	Issue No.	14 (cont)
LM End	2.74	Issue Type +	Ma	Location *	

A landscape photograph showing a river or stream winding through a grassy field. The foreground is filled with tall, dry, yellowish-brown grass. The river flows from the left towards the center-right. The banks are lined with green shrubs and trees. In the background, there's a line of trees under a clear blue sky with a few wispy clouds.

A photograph of a grassy field with a line of trees in the background under a clear blue sky. The field is covered in dry, yellowish-brown grass with some green patches. A dense line of green trees forms the horizon. The sky is a clear, bright blue.

Page 14 of 15

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	10/28/2019 10/28/2019	Sterling York

LM Start	3.63	Rating **	A/W	Issue No.	17
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.992774°	38.992774°	
			-121.441323°	-121.441323°	
DWR ID	DWR_RD0817_02_f_2016_17				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 0817 Carlin

Waterway			Bank	Unit Miles
Unit No. 03 South Dry Creek			Right	1.32
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/3/2019 - 4/3/2019		10/28/2019 - 10/28/2019	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Joe Conant RD 817		Joe Conant RD 817	
	Tom Engler RD 2103		Tom Engler RD 2103	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.25	Rating **	A	Issue No.	8
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.987613 °	38.996901 °
				-121.506580 °	-121.491938 °
DWR ID	DWR_RD0817_03_f_2019_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_RD0817_14_8_20191030_00023.jpg



View looking upstream landside at the well maintained annual vegetation, Fall 2019.

LM Start	0.26	Rating **	A	Issue No.	9
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.987665 °	38.996901 °
				-121.506479 °	-121.491938 °
DWR ID	DWR_RD0817_03_f_2019_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_RD0817_14_9_20191030_00024.jpg



View looking upstream waterside at the well maintained annual vegetation, Fall 2019.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.27	Rating **	U	Issue No.	16	
LM End	0.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.987762 °	38.987762 °	
				-121.506271 °	-121.506271 °	
DWR ID	22949					
Comment Code						
Inspector Comment						
DS_ID:22949 FS_ID:54258 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows voids in pipe through the levee. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue. Tom Engler, District Engineer, recommends removal/replacement of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)06/30/2016 Vegetation has been cleared at outlet enough to allow the flapgate to open by half a foot. Recommend rechecking WS outlet prior to flood season to ensure no overgrowth. Dense vegetation at LS but pipe still functional. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)02/27/2013 Flap gate partially blocked by vegetation at outlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 18-inch corrugated metal gravity drainage pipe through the levee, 19.5 feet below the crown. Flap gate and headwall on the waterside (WS) end, headwall not found in 2016. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 21+35), As-Built Drawing No. 2-4-106, Sheet 2, (Station 21+35)]. FS Date: 6/30/2016 9:02:00 AM						

Photo 1 of 3 : UCIP_FA_2019_54258_54271.jpg



Pipe at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.27	Rating **	U	Issue No.	16 (cont)	
LM End	0.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.987762 °	38.987762 °	
				-121.506271 °	-121.506271 °	
DWR ID	22949					
Comment Code						
Inspector Comment						
DS_ID:22949 FS_ID:54258 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows voids in pipe through the levee. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue. Tom Engler, District Engineer, recommends removal/replacement of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)06/30/2016 Vegetation has been cleared at outlet enough to allow the flapgate to open by half a foot. Recommend rechecking WS outlet prior to flood season to ensure no overgrowth. Dense vegetation at LS but pipe still functional. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)02/27/2013 Flap gate partially blocked by vegetation at outlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 18-inch corrugated metal gravity drainage pipe through the levee, 19.5 feet below the crown. Flap gate and headwall on the waterside (WS) end, headwall not found in 2016. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 21+35), As-Built Drawing No. 2-4-106, Sheet 2, (Station 21+35)]. FS Date: 6/30/2016 9:02:00 AM						

Photo 2 of 3 : UCIP_FA_2019_54258_54270.jpg



Outlet in brush at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

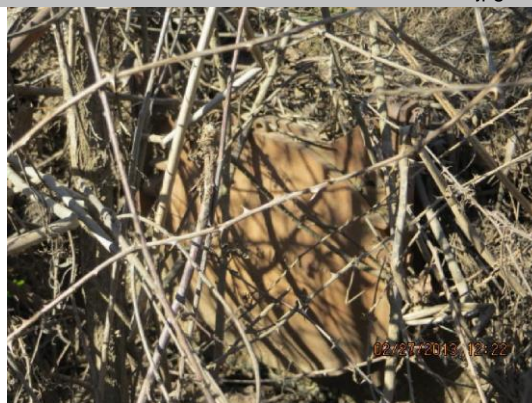
Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.27	Rating **	U	Issue No.	16 (cont)	
LM End	0.27	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.987762 °	38.987762 °	
				-121.506271 °	-121.506271 °	
DWR ID	22949					
Comment Code						
Inspector Comment						
DS_ID:22949 FS_ID:54258 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows voids in pipe through the levee. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue. Tom Engler, District Engineer, recommends removal/replacement of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)06/30/2016 Vegetation has been cleared at outlet enough to allow the flapgate to open by half a foot. Recommend rechecking WS outlet prior to flood season to ensure no overgrowth. Dense vegetation at LS but pipe still functional. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)02/27/2013 Flap gate partially blocked by vegetation at outlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 18-inch corrugated metal gravity drainage pipe through the levee, 19.5 feet below the crown. Flap gate and headwall on the waterside (WS) end, headwall not found in 2016. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 21+35), As-Built Drawing No. 2-4-106, Sheet 2, (Station 21+35)]. FS Date: 6/30/2016 9:02:00 AM						

Photo 3 of 3 : UCIP_FA_2019_54258_54269.jpg



Flap gate blocked by vegetation on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.27	Rating **	M	Issue No.	17
LM End	0.27	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.987762 °	38.987762 °
				-121.506283 °	-121.506283 °
DWR ID	19025				
Comment Code					
Inspector Comment					
DS_ID:19025 FS_ID:42686 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: A 20-inch CM drainage pipe through levee. Flap Gate on WS levee toe. O&M Manual Sac 145, August 1955. FS Date: 4/17/2013					

LM Start	0.27	Rating **	M	Issue No.	17 (cont)
LM End	0.27	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_42686_19927.jpg



LS- overview of CM drainage pipe on toe of the levee.

Photo 2 of 3 : UCIP_FA_2019_42686_19926.jpg



LS- CM drainage pipe on toe of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.27	Rating **	M	Issue No.	17 (cont)
LM End	0.27	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.987762 °	38.987762 °
				-121.506283 °	-121.506283 °
DWR ID	19025				
Comment Code					
Inspector Comment					
DS_ID:19025 FS_ID:42686 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: A 20-inch CM drainage pipe through levee. Flap Gate on WS levee toe. O&M Manual Sac 145, August 1955. FS Date: 4/17/2013					

Photo 3 of 3 : UCIP_FA_2019_42686_19928.jpg



WS- flap gate on CMP end on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.54	Rating **	U	Issue No.	18
LM End	0.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.989915 °	38.989915 °
				-121.502113 °	-121.502113 °
DWR ID	22950				

Comment Code

Inspector Comment

DS_ID:22950

FS_ID:54254

EP_NO: N/A

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows voids in pipe through the levee. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue and threat of Flood Risk. A section of the pipe material is missing on the WS which provides for water to enter the crossing and carry water to LS. Tom Engler, District Engineer, recommends lining or removal/replacement of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe has several sections of wall missing throughout the pipe length, and there is significant pipe deformation on the LS. Spoke with Tom Engler (MBK Engeers), District Engineer, and he mentioned that a video inspection has been completed at this site and that a report is in progress. LMA will be seeking funding for pipe repair under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)06/30/2016 Holes still present through pipe on corroded landside (LS) end. Pipe still half full of debris as visible thru LS end. Good candidate for removal via DWR's Deferred Maintenance Program. WS vegetation cleared in the immediate vicinity of flapgate. Potential for overgrowth at WS end nevertheless imminent. Note that this pipe does not cause LS nuisance flooding per Tom Engler of MBK. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and failing at inlet an outlet. (G. Wylie - FPIIB)

FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20.5 feet below the crown. Flap gate and headwall on the waterside (WS) end. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 35+57), As-Built Drawing No. 2-4-106, Sheet 4, (Station 35+57)].

FS Date: 10/30/2018 1:50:00 PM

Photo 1 of 3 : UCIP_FA_2019_54254_53849.jpg



Pipe on LS toe corroded through.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.54	Rating **	U	Issue No.	18 (cont)	
LM End	0.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.989915 °	38.989915 °	
				-121.502113 °	-121.502113 °	
DWR ID	22950					
Comment Code						
Inspector Comment						
DS_ID:22950 FS_ID:54254 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows voids in pipe through the levee. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue and threat of Flood Risk. A section of the pipe material is missing on the WS which provides for water to enter the crossing and carry water to LS. Tom Engler, District Engineer, recommends lining or removal/replacement of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe has several sections of wall missing throughout the pipe length, and there is significant pipe deformation on the LS. Spoke with Tom Engler (MBK Engeers), District Engineer, and he mentioned that a video inspection has been completed at this site and that a report is in progress. LMA will be seeking funding for pipe repair under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)06/30/2016 Holes still present through pipe on corroded landside (LS) end. Pipe still half full of debris as visible thru LS end. Good candidate for removal via DWR's Deferred Maintenance Program. WS vegetation cleared in the immediate vicinity of flapgate. Potential for overgrowth at WS end nevertheless imminent. Note that this pipe does not cause LS nuisance flooding per Tom Engler of MBK. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and failing at inlet an outlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20.5 feet below the crown. Flap gate and headwall on the waterside (WS) end. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 35+57), As-Built Drawing No. 2-4-106, Sheet 4, (Station 35+57)]. FS Date: 10/30/2018 1:50:00 PM						

Photo 2 of 3 : UCIP_FA_2019_54254_53848.jpg



Pipe Heavily corroded throughout

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.54	Rating **	U	Issue No.	18 (cont)	
LM End	0.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.989915 °	38.989915 °	
				-121.502113 °	-121.502113 °	
DWR ID	22950					
Comment Code						
Inspector Comment						
DS_ID:22950 FS_ID:54254 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows voids in pipe through the levee. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue and threat of Flood Risk. A section of the pipe material is missing on the WS which provides for water to enter the crossing and carry water to LS. Tom Engler, District Engineer, recommends lining or removal/replacement of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe has several sections of wall missing throughout the pipe length, and there is significant pipe deformation on the LS. Spoke with Tom Engler (MBK Engeers), District Engineer, and he mentioned that a video inspection has been completed at this site and that a report is in progress. LMA will be seeking funding for pipe repair under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)06/30/2016 Holes still present through pipe on corroded landside (LS) end. Pipe still half full of debris as visible thru LS end. Good candidate for removal via DWR's Deferred Maintenance Program. WS vegetation cleared in the immediate vicinity of flapgate. Potential for overgrowth at WS end nevertheless imminent. Note that this pipe does not cause LS nuisance flooding per Tom Engler of MBK. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and failing at inlet an outlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20.5 feet below the crown. Flap gate and headwall on the waterside (WS) end. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 35+57), As-Built Drawing No. 2-4-106, Sheet 4, (Station 35+57)]. FS Date: 10/30/2018 1:50:00 PM						

Photo 3 of 3 : UCIP_FA_2019_54254_53847.jpg



Pipe no longer mounted to headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.68	Rating **	U	Issue No.	19
LM End	0.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.991062 °	38.991062 °
				-121.499886 °	-121.499886 °
DWR ID	22951				

Comment Code

Inspector Comment

DS_ID:22951

FS_ID:54257

EP_NO: N/A

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows ponding water along the pipe invert which prevented a full evaluation of the pipe floor and no holes were observed along the pipe section through the levee. However, the pipe wall has corroded significantly (pipe wall material missing) at the outlet. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue and threat of Flood Risk. A section of the pipe material is missing on the WS which provides for water to enter the crossing and carry water to LS. Tom Engler, District Engineer, recommends removal/replacement of pipe. The District Engineer also recommends upsizing the pipe since drainage has been diverted to this pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe wall has corroded significantly (pipe wall missing) at the outlet. Spoke with Tom Engler (MBK Engineers), District Engineer, and he mentioned that a video inspection has been completed at this site and that a report is in progress. LMA will be seeking funding for pipe repair under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)(O. Magana - DWR UCIP)06/30/2016 Corrosion still present on WS end. Inlet box was replaced 5 years ago and appears to be functioning properly due to the presence of a screen that prevents debris blockage. Flap gate functions properly only sometimes. WS heavily vegetated. (K. Fazel - UCIP) 03/25/2013 Corrosion holes on WS toe and flap gate is blocked by debris. Flap gate broken. Inlet partially blocked at concrete inlet. (G. Wylie - FPIIB)

FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20 feet below the crown. Flap gate and headwall on the waterside (WS) end. 56-inch by 34-inch concrete inlet box on the landside (LS) toe. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual).

[Additional Reference(s): DWR Levee Log, 2005, USACE Sacramento O&M Manual 145.1, August 1955, (Station 43+17), As-Built Drawing No. 2-4-106, Sheet 4, (Station 43+17)].

FS Date: 10/30/2018 1:51:00 PM

Photo 1 of 3 : UCIP_FA_2019_54257_53854.jpg



Pipe and flapgate at WS toe blocked by debris.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.68	Rating **	U	Issue No.	19 (cont)
LM End	0.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.991062 °	38.991062 °
				-121.499886 °	-121.499886 °
DWR ID	22951				
Comment Code					
Inspector Comment					
DS_ID:22951 FS_ID:54257 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows ponding water along the pipe invert which prevented a full evaluation of the pipe floor and no holes were observed along the pipe section through the levee. However, the pipe wall has corroded significantly (pipe wall material missing) at the outlet. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue and threat of Flood Risk. A section of the pipe material is missing on the WS which provides for water to enter the crossing and carry water to LS. Tom Engler, District Engineer, recommends removal/replacement of pipe. The District Engineer also recommends upsizing the pipe since drainage has been diverted to this pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe wall has corroded significantly (pipe wall missing) at the outlet. Spoke with Tom Engler (MBK Engineers), District Engineer, and he mentioned that a video inspection has been completed at this site and that a report is in progress. LMA will be seeking funding for pipe repair under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)(O. Magana - DWR UCIP)06/30/2016 Corrosion still present on WS end. Inlet box was replaced 5 years ago and appears to be functioning properly due to the presence of a screen that prevents debris blockage. Flap gate functions properly only sometimes. WS heavily vegetated. (K. Fazel - UCIP) 03/25/2013 Corrosion holes on WS toe and flap gate is blocked by debris. Flap gate broken. Inlet partially blocked at concrete inlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20 feet below the crown. Flap gate and headwall on the waterside (WS) end. 56-inch by 34-inch concrete inlet box on the landside (LS) toe. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 43+17), As-Built Drawing No. 2-4-106, Sheet 4, (Station 43+17)]. FS Date: 10/30/2018 1:51:00 PM					

Photo 2 of 3 : UCIP_FA_2019_54257_53853.jpg



Holes in pipe at broken flapgate on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.68	Rating **	U	Issue No.	19 (cont)
LM End	0.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.991062 °	38.991062 °
				-121.499886 °	-121.499886 °
DWR ID	22951				

Comment Code

Inspector Comment

DS_ID:22951

FS_ID:54257

EP_NO: N/A

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows ponding water along the pipe invert which prevented a full evaluation of the pipe floor and no holes were observed along the pipe section through the levee. However, the pipe wall has corroded significantly (pipe wall material missing) at the outlet. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue and threat of Flood Risk. A section of the pipe material is missing on the WS which provides for water to enter the crossing and carry water to LS. Tom Engler, District Engineer, recommends removal/replacement of pipe. The District Engineer also recommends upsizing the pipe since drainage has been diverted to this pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe wall has corroded significantly (pipe wall missing) at the outlet. Spoke with Tom Engler (MBK Engineers), District Engineer, and he mentioned that a video inspection has been completed at this site and that a report is in progress. LMA will be seeking funding for pipe repair under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)(O. Magana - DWR UCIP)06/30/2016 Corrosion still present on WS end. Inlet box was replaced 5 years ago and appears to be functioning properly due to the presence of a screen that prevents debris blockage. Flap gate functions properly only sometimes. WS heavily vegetated. (K. Fazel - UCIP) 03/25/2013 Corrosion holes on WS toe and flap gate is blocked by debris. Flap gate broken. Inlet partially blocked at concrete inlet. (G. Wylie - FPIIB)

FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20 feet below the crown. Flap gate and headwall on the waterside (WS) end. 56-inch by 34-inch concrete inlet box on the landside (LS) toe. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual).

[Additional Reference(s): DWR Levee Log, 2005, USACE Sacramento O&M Manual 145.1, August 1955, (Station 43+17), As-Built Drawing No. 2-4-106, Sheet 4, (Station 43+17)].

FS Date: 10/30/2018 1:51:00 PM

Photo 3 of 3 : UCIP_FA_2019_54257_53852.jpg



Improvised concrete inlet on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.69	Rating **	M	Issue No.	20
LM End	0.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.991082 °	38.991082 °
				-121.499888 °	-121.499888 °
DWR ID	19020				
Comment Code					
Inspector Comment					
DS_ID:19020 FS_ID:41163 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Cleaning of debris on both sides of the levee required. FIELD_STRUCT_DESC: 24-inch corrugated metal drain pipe through the levee, 20.0 feet below the crown. Flap gate on the waterward end. O&M Manual Sac 145, August 1955. FS Date: 4/16/2013					

LM Start	0.69	Rating **	M	Issue No.	20 (cont)
LM End	0.69	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_41163_19942.jpg



WS- CM pipe, flap gate and debris.

Photo 2 of 3 : UCIP_FA_2019_41163_19941.jpg



WS- overview of CM pipe, flap gate and debris.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	0.69	Rating **	M	Issue No.	20 (cont)
LM End	0.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			38.991082 °	38.991082 °
				-121.499888 °	-121.499888 °
DWR ID	19020				
Comment Code					
Inspector Comment					
DS_ID:19020 FS_ID:41163 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Cleaning of debris on both sides of the levee required. FIELD_STRUCT_DESC: 24-inch corrugated metal drain pipe through the levee, 20.0 feet below the crown. Flap gate on the waterward end. O&M Manual Sac 145, August 1955. FS Date: 4/16/2013					

Photo 3 of 3 : UCIP_FA_2019_41163_19940.jpg



LS- half box concrete outlet structure with trash rack.

LM Start	0.85	Rating **	M	Issue No.	15
LM End	1.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.992669 °	38.996885 °
				-121.497525 °	-121.491956 °
DWR ID	DWR_RD0784_06_s_2013_15				
Comment Code					
FE : Fence					
Inspector Comment					
A wire fence is located at the levee toe.					

Photo 1 of 1 : FA_2019_RD0817_14_15_20190904_00001.jpg



View of fence at landside toe looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	1.18	Rating **	U	Issue No.	21
LM End	1.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.995852 °	38.995852 °
				-121.493111 °	-121.493111 °
DWR ID	22952				

Comment Code

Inspector Comment

DS_ID:22952

FS_ID:54266

EP_NO: N/A

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 07/25/2019 No DMP Internal Inspection Report was completed for this pipe. This pipe is in failed condition without the use of video inspection. The record has been updated to Urgent: Pipe Integrity Issue. Tom Engler, District Engineer, recommends removal of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe has deteriorated significantly and is no longer used as noted in the 2016 inspection. Spoke with Tom Engler with MBK, District Engineer, and he mentioned that a video inspection has been completed and that a report is in progress. LMA will be seeking funding to address pipe under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)06/30/2016 Same as last inspection. Good candidate for removal via DWR's Deferred Maintenance Program. Pipe used to drain pastureland which have since been converted to rice fields that drain on opposite side of fields, rendering the drainage function of this pipe obsolete. This pipe is not needed and causes nuisance flooding at high water on landside (LS) per Tom Engler of MBK. As such, operation of flapgate is still blocked via a post at WS end. Pipe is sleeved but sleeve has grossly deteriorated. LS end of pipe appears bent. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and damaged. 8-inch PVC pipe runs through pipe/possibly for irrigation. CMP heavily rusted on WS toe and debris blocking flap gate on WS toe. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: *ABANDONED* 20-inch corrugated metal gravity drainage pipe through the levee, 16.5 feet below the crown. 8-inch polyvinyl chloride (PVC) pipe sleeved through the 20-inch corrugated metal pipe with the annular space left void. Flap gate on the waterside (WS) end. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005, 24-inch corrugated metal pipe (CMP) referenced. USACE Sacramento O&M Manual 145.1, August 1955, (Station 69+17), 18-inch CMP referenced, As-Built Drawing No. 2-4-106, Sheet 4, (Station 69+17)]. FS Date: 10/30/2018

Photo 1 of 3 : UCIP_FA_2019_54266_53857.jpg



Pipe on LS toe with 8-inch PVC pipe sticking out.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	1.18	Rating **	U	Issue No.	21 (cont)
LM End	1.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.995852 °	38.995852 °
				-121.493111 °	-121.493111 °
DWR ID	22952				

Comment Code

Inspector Comment

DS_ID:22952

FS_ID:54266

EP_NO: N/A

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 07/25/2019 No DMP Internal Inspection Report was completed for this pipe. This pipe is in failed condition without the use of video inspection. The record has been updated to Urgent: Pipe Integrity Issue. Tom Engler, District Engineer, recommends removal of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe has deteriorated significantly and is no longer used as noted in the 2016 inspection. Spoke with Tom Engler with MBK, District Engineer, and he mentioned that a video inspection has been completed and that a report is in progress. LMA will be seeking funding to address pipe under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)06/30/2016 Same as last inspection. Good candidate for removal via DWR's Deferred Maintenance Program. Pipe used to drain pastureland which have since been converted to rice fields that drain on opposite side of fields, rendering the drainage function of this pipe obsolete. This pipe is not needed and causes nuisance flooding at high water on landside (LS) per Tom Engler of MBK. As such, operation of flapgate is still blocked via a post at WS end. Pipe is sleeved but sleeve has grossly deteriorated. LS end of pipe appears bent. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and damaged. 8-inch PVC pipe runs through pipe/possibly for irrigation. CMP heavily rusted on WS toe and debris blocking flap gate on WS toe. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: *ABANDONED* 20-inch corrugated metal gravity drainage pipe through the levee, 16.5 feet below the crown. 8-inch polyvinyl chloride (PVC) pipe sleeved through the 20-inch corrugated metal pipe with the annular space left void. Flap gate on the waterside (WS) end. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005, 24-inch corrugated metal pipe (CMP) referenced. USACE Sacramento O&M Manual 145.1, August 1955, (Station 69+17), 18-inch CMP referenced, As-Built Drawing No. 2-4-106, Sheet 4, (Station 69+17)]. FS Date: 10/30/2018

Photo 2 of 3 : UCIP_FA_2019_54266_53856.jpg



Pipe cut behind flap gate on WS toe with 8-inch PVC.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	1.18	Rating **	U	Issue No.	21 (cont)	
LM End	1.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			38.995852 °	38.995852 °	
				-121.493111 °	-121.493111 °	
DWR ID	22952					

Comment Code

Inspector Comment

DS_ID:22952

FS_ID:54266

EP_NO: N/A

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 07/25/2019 No DMP Internal Inspection Report was completed for this pipe. This pipe is in failed condition without the use of video inspection. The record has been updated to Urgent: Pipe Integrity Issue. Tom Engler, District Engineer, recommends removal of pipe. Supporting documentation submitted by the District Engineer has been forward to DMP. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe has deteriorated significantly and is no longer used as noted in the 2016 inspection. Spoke with Tom Engler with MBK, District Engineer, and he mentioned that a video inspection has been completed and that a report is in progress. LMA will be seeking funding to address pipe under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)06/30/2016 Same as last inspection. Good candidate for removal via DWR's Deferred Maintenance Program. Pipe used to drain pastureland which have since been converted to rice fields that drain on opposite side of fields, rendering the drainage function of this pipe obsolete. This pipe is not needed and causes nuisance flooding at high water on landside (LS) per Tom Engler of MBK. As such, operation of flapgate is still blocked via a post at WS end. Pipe is sleeved but sleeve has grossly deteriorated. LS end of pipe appears bent. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and damaged. 8-inch PVC pipe runs through pipe/possibly for irrigation. CMP heavily rusted on WS toe and debris blocking flap gate on WS toe. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: *ABANDONED* 20-inch corrugated metal gravity drainage pipe through the levee, 16.5 feet below the crown. 8-inch polyvinyl chloride (PVC) pipe sleeved through the 20-inch corrugated metal pipe with the annular space left void. Flap gate on the waterside (WS) end. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005, 24-inch corrugated metal pipe (CMP) referenced. USACE Sacramento O&M Manual 145.1, August 1955, (Station 69+17), 18-inch CMP referenced, As-Built Drawing No. 2-4-106, Sheet 4, (Station 69+17)]. FS Date: 10/30/2018

Photo 3 of 3 : UCIP_FA_2019_54266_53855.jpg



Pipe heavily corroded throughout.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	1.29	Rating **	U	Issue No.	22
LM End	1.29	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			38.997048 °	38.997048 °
				-121.491743 °	-121.491743 °
DWR ID	22953				

Comment Code

Inspector Comment

DS_ID:22953

FS_ID:54259

EP_NO: N/A

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows voids in pipe through the levee. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue. Tom Engler, District Engineer, recommends removal/replacement of pipe.

According to Tom Engler, current pipe alignment goes diagonally upstream under 40 Mile Road into Dry Creek. It would be more cost effective to install a new pipe in new alignment directly into Dry Creek and abandon existing alignment in place. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe has large sections of its wall missing due to heavy corrosion on both the WS and the LS. Sink hole visible on LS along pipe alignment. Spoke with Tom Engler with MBK, District Engineer, and he mentioned that a video inspection has been completed and that a report is in progress. LMA will be seeking funding for pipe repair under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)06/30/2016 Sink hole still exists over pipe on LS. LS and WS heavily vegetated and barely accessible. WS end is sleeved with a heavily rusted CMP. Flapgate is clear and functional. (K. Fazel - UCIP)12/17/2015 WS accessible, but LS no longer accessible due to heavy vegetation. (T. Hatch - UCIP)03/25/2013 Pipe visible on LS at toe of roadway embankment, but not visible on WS. Possible sinkhole over pipe at LS toe. Pipe heavily rusted. (G. Wylie - FPIIB)

FIELD_STRUCT_DESC: 18-inch corrugated metal gravity drainage pipe angled through the levee, approximately 15 feet below the crown. Steel pipe sleeved through the 18-inch corrugated metal pipe (CMP) with annular space grouted, grout only on the waterside (WS). Flap gate on the WS end. Pipe alignment is from the west of the intersection of Forty Mile Road and 45 degrees to the WS. Outlet is on the eastern side of Forty Mile Road, looking upstream. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 74+72), As-Built Drawing No. 2-4-106, Sheet 4, (Station 74+72)].

FS Date: 10/30/2018

Photo 1 of 3 : UCIP_FA_2019_54259_53859.jpg



Pipe at inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	10/28/2019 10/28/2019	Sterling York

LM Start	1.29	Rating **	U	Issue No.	22 (cont)
LM End	1.29	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		38.997048 °	38.997048 °	
			-121.491743 °	-121.491743 °	
DWR ID	22953				

Comment Code

Inspector Comment

DS_ID:22953

FS_ID:54259

EP_NO: N/A

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 07/25/2019 DMP Internal Inspection Report shows voids in pipe through the levee. This pipe is in failed condition and the record has been updated to Urgent: Pipe Integrity Issue. Tom Engler, District Engineer, recommends removal/replacement of pipe.

According to Tom Engler, current pipe alignment goes diagonally upstream under 40 Mile Road into Dry Creek. It would be more cost effective to install a new pipe in new alignment directly into Dry Creek and abandon existing alignment in place. Supporting documentation submitted by the District Engineer has been forward to DMP. The internal inspection of the pipe has been uploaded to database. (O. Magana – DWR UCIP)10/30/2018 Same as last inspection. Pipe has large sections of its wall missing due to heavy corrosion on both the WS and the LS. Sink hole visible on LS along pipe alignment. Spoke with Tom Engler with MBK, District Engineer, and he mentioned that a video inspection has been completed and that a report is in progress. LMA will be seeking funding for pipe repair under DWR's Deferred Maintenance Project (DMP). Crossing remains Urgent due to the deteriorated condition of the pipe. (O. Magana - DWR UCIP)06/30/2016 Sink hole still exists over pipe on LS. LS and WS heavily vegetated and barely accessible. WS end is sleeved with a heavily rusted CMP. Flapgate is clear and functional. (K. Fazel - UCIP)12/17/2015 WS accessible, but LS no longer accessible due to heavy vegetation. (T. Hatch - UCIP)03/25/2013 Pipe visible on LS at toe of roadway embankment, but not visible on WS. Possible sinkhole over pipe at LS toe. Pipe heavily rusted. (G. Wylie - FPIIB)

FIELD_STRUCT_DESC: 18-inch corrugated metal gravity drainage pipe angled through the levee, approximately 15 feet below the crown. Steel pipe sleeved through the 18-inch corrugated metal pipe (CMP) with annular space grouted, grout only on the waterside (WS). Flap gate on the WS end. Pipe alignment is from the west of the intersection of Forty Mile Road and 45 degrees to the WS. Outlet is on the eastern side of Forty Mile Road, looking upstream. (Due to a recent change in the levee alignment, this pipe is no longer in RD0784, Unit 6. Nevertheless, this pipe's original references remain in the RD0784 Levee Log and O&M Manual). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145.1, August 1955, (Station 74+72), As-Built Drawing No. 2-4-106, Sheet 4, (Station 74+72)].

FS Date: 10/30/2018

Photo 2 of 3 : UCIP_FA_2019_54259_53858.jpg



Sinkhole or animal burrow over pipe on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

Reclamation District No. 0817 Carlin